

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: January 7, 2002, 15:37:21 ; Search time 90.83 Seconds

(without alignments)
153.111 Million cell updates/sec

Title: US-08-569-749-2

Perfect score: 3277
Sequence: 1 MKRTASORLPFGSGYONIKS.....LKKPCRCGIIKGVTRPFLS 618

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

1: Issued Patents AA: *
2: /cgn2_6/prodata/2/1aa/5A.COMB.pep: *
3: /cgn2_6/prodata/2/1aa/5B.COMB.pep: *
4: /cgn2_6/prodata/2/1aa/5A.COMB.pep: *
5: /cgn2_6/prodata/2/1aa/5B.COMB.pep: *
6: /cgn2_6/prodata/2/1aa/5C.COMB.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	3277	100.0	618	4	US-08-569-749-2
2	3277	100.0	618	5	PCT-US96-12860-2
3	3247	99.1	618	2	US-08-511-485-8
4	3247	99.1	618	3	US-09-212-971-8
5	3247	99.1	618	4	US-08-800-929A-8
6	3247	99.1	618	4	US-09-617-053A-8
7	3228	83.2	612	4	US-08-569-749-14
8	3228	83.2	612	5	PCT-US86-12860-14
9	3228	83.1	612	3	US-09-212-971-14
10	3228	83.1	612	4	US-08-800-929A-14
11	3224	83.1	612	4	US-09-617-053A-14
12	3253	71.8	604	4	US-08-569-749-4
13	3253	71.8	604	5	PCT-US96-12860-4
14	3232	71.2	604	2	US-08-511-485-6
15	3232	71.2	604	3	US-09-212-971-6
16	3232	71.2	604	4	US-08-800-929A-6
17	3232	71.2	604	4	US-09-617-053A-6
18	3232	71.0	438	5	PCT-US95-05922A-2
19	2172	66.3	600	3	US-09-212-971-12
20	2172	66.3	600	4	US-08-800-929A-12
21	2172	66.3	600	4	US-09-617-053A-12
22	909	27.7	497	2	US-08-511-485-4
23	909	27.7	497	3	US-09-212-971-4
24	909	27.7	497	4	US-08-800-929A-4
25	909	27.7	497	4	US-09-617-053A-4
26	874	26.7	496	2	US-08-511-485-10
27	874	26.7	496	3	US-09-212-971-10

28	874	26.7	496	4	US-08-800-929A-10	Sequence 10, Appl
29	874	26.7	496	4	US-09-617-053A-10	Sequence 10, Appl
30	736.5	22.5	498	2	US-08-511-485-13	Sequence 13, Appl
31	513	15.7	268	3	US-08-836-134-22	Sequence 22, Appl
32	463	14.1	1151	3	US-08-836-134-23	Sequence 23, Appl
33	463	14.1	1232	3	US-08-836-134-2	Sequence 2, Appl
34	461	14.1	275	2	US-08-511-485-12	Sequence 12, Appl
35	461	14.1	275	3	US-08-836-134-21	Sequence 21, Appl
36	458.5	14.0	236	4	US-09-121-979-4	Sequence 4, Appl
37	458.5	14.0	236	4	US-09-332-319-4	Sequence 4, Appl
38	393	12.0	68	2	US-08-511-485-27	Sequence 27, Appl
39	384	11.7	67	2	US-08-511-485-23	Sequence 23, Appl
40	375	11.4	68	2	US-08-511-485-19	Sequence 19, Appl
41	352	10.7	68	2	US-08-511-485-26	Sequence 26, Appl
42	351	10.7	68	2	US-08-511-485-18	Sequence 18, Appl
43	329	10.0	67	2	US-08-511-485-22	Sequence 22, Appl
44	307	9.4	55	4	US-08-569-749-5	Sequence 5, Appl
45	307	9.4	55	5	PCT-US96-12860-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-08-569-749-2
Sequence 2, Application US/08569749
Patent No. 6187557
GENERAL INFORMATION:
APPLICANT: Roche, Mike
APPLICANT: Goeddel, David V
TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: FIEHR, HOIBACH, TEST, ALABITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,749
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774
REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)781-1989
TELEFAX: (415)398-3249
INFORMATION FOR SBO ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 618 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-569-749-2

Query Match 100.0%; Score 3277; DB 4; Length 618;

Best Local Similarity 100.0%; Pred. No. 1.2e-308; Mismatches 0; Indels 0; Gaps 0;

Matches 618; Conservative 0;
1 MKRTASORLPFGSGYONIKSINMEDSTFLSDWNTNSMKKKYDFSCSELYRMSTSTFPAGV 60
1 MKRTASORLPFGSGYONIKSINMEDSTFLSDWNTNSMKKKYDFSCSELYRMSTSTFPAGV 60

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OY 61 PVSESLARAGFYTGVDKVKCFCCGGLMDNMKLGDSPIQKHOLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTGVDKVKCFCCGGLMDNMKLGDSPIQKHOLYPSCSFIQNLVSAS 120
OY 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLSFGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLSFGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
OY 181 MSTEERARFLTYHMPLEFLSPSELARAGFYIIGPDRVACFACGKLSNMEPKDAMSEH 240
DB 181 MSTEERARFLTYHMPLEFLSPSELARAGFYIIGPDRVACFACGKLSNMEPKDAMSEH 240
OY 241 RRRHPCPLFENSLETLRFSTISNLSMOTHAARMFTMYPPSSVPVOPQLASAGFYVGR 300
DB 241 RRRHPCPLFENSLETLRFSTISNLSMOTHAARMFTMYPPSSVPVOPQLASAGFYVGR 300
OY 301 NDDVKCFCCDGLRCWESGDDPVWEHAKWPRCEFLIRMKGOEFVDEIOGRYPHLEQLL 360
DB 301 NDDVKCFCCDGLRCWESGDDPVWEHAKWPRCEFLIRMKGOEFVDEIOGRYPHLEQLL 360
OY 361 STSDTTEENADPPIIHFGPGESSSEDVAMMNTPVYKSALEMGFNRLVKTQVOSKILTT 420
DB 361 STSDTTEENADPPIIHFGPGESSSEDVAMMNTPVYKSALEMGFNRLVKTQVOSKILTT 420
OY 421 GENKTVNDIVSALLNAMEDEREKEKOEEMASDLSLRKRMALFOOLTVCVLPILD 480
DB 421 GENKTVNDIVSALLNAMEDEREKEKOEEMASDLSLRKRMALFOOLTVCVLPILD 480
OY 481 NLKANVINKEHDIKOKTOIPLQARELIDTLVKGNAANIFKNCLEIDSTLYKNLP 540
DB 481 NLKANVINKEHDIKOKTOIPLQARELIDTLVKGNAANIFKNCLEIDSTLYKNLP 540
OY 541 VDKNMKYIPTEDVSGLSLEQLRLLOERTCYVCMDEKESVVFIPCGHLVYVCOECAPSLR 600
DB 541 VDKNMKYIPTEDVSGLSLEQLRLLOERTCYVCMDEKESVVFIPCGHLVYVCOECAPSLR 600
OY 601 KCPICRGITKGTVRTFLS 618
DB 601 KCPICRGITKGTVRTFLS 618

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RESULT 2
PCT-US96-12860-2
: Sequence 2, Application PC/TUS9612860
: GENERAL INFORMATION:
: APPLICANT: TULARIK, INC.
: TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
: NUMBER OF SEQUENCES: 14
: CORRESPONDENCE ADDRESS:
: ADDRESSER: FLEHR, HOBACH, TEST, ALBRITTON & HERBERT
: STREET: 4 Embarcadero Center, Suite 3400
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US96/12860
: FILING DATE: 06 AUG 1996
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: U.S. Serial Nos. 08/512,946 & 08/569,749
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Breznert, David J.
: REGISTRATION NUMBER: 24,774
: REFERENCE/DOCKET NUMBER: A-62464/DJB
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415)781-1989

```

```

: TELEFAX: (415)398-3249
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 618 amino acids
: type: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
PCT-US96-12860-2

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Query Match 100.0%: Score 3277; DB 5; Length 618;

Best Local Similarity 100.0%; Pctd No. 1.2e-308;

Matches 618: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 1 MHTASQRLPGRPSYONIKSIMEEDSTLSDMTNSNKKKKYDFSCELYRMSTYTFPAGV 60
DB 1 MHTASQRLPGRPSYONIKSIMEEDSTLSDMTNSNKKKKYDFSCELYRMSTYTFPAGV 60
OY 61 PVSESLARAGFYTGVDKVKCFCCGGLMDNMKLGDSPIQKHOLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTGVDKVKCFCCGGLMDNMKLGDSPIQKHOLYPSCSFIQNLVSAS 120
OY 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLSFGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLSFGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
OY 181 MSTEERARFLTYHMPLEFLSPSELARAGFYIIGPDRVACFACGKLSNMEPKDAMSEH 240
DB 181 MSTEERARFLTYHMPLEFLSPSELARAGFYIIGPDRVACFACGKLSNMEPKDAMSEH 240
OY 241 RRRHPCPLFENSLETLRFSTISNLSMOTHAARMFTMYPPSSVPVOPQLASAGFYVGR 300
DB 241 RRRHPCPLFENSLETLRFSTISNLSMOTHAARMFTMYPPSSVPVOPQLASAGFYVGR 300
OY 301 NDDVKCFCCDGLRCWESGDDPVWEHAKWPRCEFLIRMKGOEFVDEIOGRYPHLEQLL 360
DB 301 NDDVKCFCCDGLRCWESGDDPVWEHAKWPRCEFLIRMKGOEFVDEIOGRYPHLEQLL 360
OY 361 STSDTTEENADPPIIHFGPGESSSEDVAMMNTPVYKSALEMGFNRLVKTQVOSKILTT 420
DB 361 STSDTTEENADPPIIHFGPGESSSEDVAMMNTPVYKSALEMGFNRLVKTQVOSKILTT 420
OY 421 GENKTVNDIVSALLNAMEDEREKEKOEEMASDLSLRKRMALFOOLTVCVLPILD 480
DB 421 GENKTVNDIVSALLNAMEDEREKEKOEEMASDLSLRKRMALFOOLTVCVLPILD 480
OY 481 NLKANVINKEHDIKOKTOIPLQARELIDTLVKGNAANIFKNCLEIDSTLYKNLP 540
DB 481 NLKANVINKEHDIKOKTOIPLQARELIDTLVKGNAANIFKNCLEIDSTLYKNLP 540
OY 541 VDKNMKYIPTEDVSGLSLEQLRLLOERTCYVCMDEKESVVFIPCGHLVYVCOECAPSLR 600
DB 541 VDKNMKYIPTEDVSGLSLEQLRLLOERTCYVCMDEKESVVFIPCGHLVYVCOECAPSLR 600
OY 601 KCPICRGITKGTVRTFLS 618
DB 601 KCPICRGITKGTVRTFLS 618

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RESULT 3
US-08-511,485-8
: Sequence 8, Application US/08511485
: Patent No. 5919912
: GENERAL INFORMATION:
: APPLICANT: Korneluk, Robert G.
: APPLICANT: Mackenzie, Alexander E.
: ATTORNEY/AGENT INFORMATION:
: NAME: Baird, Stephen
: TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
: TITLE OF INVENTION: PROBES, AND DETECTION METHODS
: NUMBER OF SEQUENCES: 38
: CORRESPONDENCE ADDRESS:
: ADDRESSER: Fish & Richardson P.C.

```

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: STREET: 225 Franklin Street
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02110-2804
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/511,485
: FILING DATE: 04-AUG-1995
: CLASSIFICATION: 514
: ATTORNEY/AGENT INFORMATION:
: NAME: Clark, Paul T.
: REGISTRATION NUMBER: 30,162
: REFERENCE/DOCKET NUMBER: 07540/002001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 617/542-5070
: TELEFAX: 617/542-8906
: TELEX: 200154
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 618 amino acids
: TYPE: amino acid
: STRANDEDNESS: not relevant
: TOPOLOGY: both
: MOLECULE TYPE: protein
: US-08-511-485-8

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Query Match 99.1%; Score 3247; DB 2; Length 618;

Best Local Similarity 99.4%; Pred. No. 9.3e-306; Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MHKTAQRLPFGPSYONIKSIMEDSTILSDWTNSNKKMKYDFSCELYRMSTYTFPGAGV 60
DB 1 MHKTAQRLPFGPSYONIKSIMEDSTILSDWTNSNKKMKYDFSCELYRMSTYTFPGAGV 60
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DB 61 PVSEKSLARAGFYTGVDNKKVCCGCCGLMDNMKLGDSPIQKHOLYPCSCFTQNLVSAS 120
QY 121 LGSTSKTSPMRNSPAHSLSPTLEHSSLFSGSYSSLPNPPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKTSPMRNSPAHSLSPTLEHSSLFSGSYSSLPNPPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEAPRLTYHMPPLTLFSPSELARAGFYTGQDGVACFCAGCGKLSNMEPRDDAMSEH 240
DB 181 MSTEAPRLTYHMPPLTLFSPSELARAGFYTGQDGVACFCAGCGKLSNMEPRDDAMSEH 240
QY 241 RRHPNCPLENSLETLEFSSISNLSMOTHAARMPTWMPSSVPOBOLASAGFYVGR 300
DB 241 RRHPNCPLENSLETLEFSSISNLSMOTHAARMPTWMPSSVPOBOLASAGFYVGR 300
QY 301 NDVVKFCGCGGGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIOGRYPHLEQL 360
DB 301 NDVVKFCGCGGGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIOGRYPHLEQL 360
QY 361 STSDTTEENADPPIIHFGPGSSSSSDAVMMNTPVYKSALEMGPNRDLVKQTYVOSKILTT 420
DB 361 STSDTTEENADPPIIHFGPGSSSSSDAVMMNTPVYKSALEMGPNRDLVKQTYVOSKILTT 420
QY 421 GENKTVNDIYSALNAEDKREBEKQAEEMASDDLIRKRNMALEQQLTVCVPLTD 480
DB 421 GENKTVNDIYSALNAEDKREBEKQAEEMASDDLIRKRNMALEQQLTVCVPLTD 480
QY 481 NLLKANYINQOEDITIKOTQIPLQARELITLIVKGAANAFKCKIAEIDSTLYKXLF 540
DB 481 NLLKANYINQOEDITIKOTQIPLQARELITLIVKGAANAFKCKIAEIDSTLYKXLF 540
QY 541 VDRNKXYIPTEDVSGLSLEQLRLQBERTCKYCMKDEKVSVYFPGHLYVQCECAPSLR 600

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DB 541 VDRNKXYIPTEDVSGLSLEQLRLQBERTCKYCMKDEKVSVYFPGHLYVQCECAPSLR 600
QY 601 KCPICGIIKGTVFELS 618
DB 601 KCPICGIIKGTVFELS 618

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RESULT 4

US-09-212-971-8

Sequence 8, Application US/09212971B

Patent No. 6107041

GENERAL INFORMATION:

APPLICANT: Korneluz, Robert G

APPLICANT: Mackenzie, Alexander E

APPLICANT: Baird, Stephen

APPLICANT: Tsang, Benjamin K

APPLICANT: Pratt, Christine

TITLE OF INVENTION: DETECTION AND MODULATION OF IAPs AND

TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE

FILE REFERENCE: 07691/009002

CURRENT APPLICATION NUMBER: US/09/212,971B

EARLIER FILING DATE: 1998-12-16

EARLIER FILING DATE: 1996-04-26

EARLIER APPLICATION NUMBER: 60/030,590

EARLIER FILING DATE: 1996-11-14

EARLIER APPLICATION NUMBER: 08/800,929

NUMBER OF SEQ ID NOS: 17

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO: 8

LENGTH: 618

TYPE: PRT

ORGANISM: Homo sapiens

Query Match 99.1%; Score 3247; DB 3; Length 618;

Best Local Similarity 99.4%; Pred. No. 9.3e-306; Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MHKTAQRLPFGPSYONIKSIMEDSTILSDWTNSNKKMKYDFSCELYRMSTYTFPGAGV 60
DB 1 MHKTAQRLPFGPSYONIKSIMEDSTILSDWTNSNKKMKYDFSCELYRMSTYTFPGAGV 60
QY 61 PVSEKSLARAGFYTGVDNKKVCCGCCGLMDNMKLGDSPIQKHOLYPCSCFTQNLVSAS 120
DB 61 PVSEKSLARAGFYTGVDNKKVCCGCCGLMDNMKLGDSPIQKHOLYPCSCFTQNLVSAS 120
QY 121 LGSTSKTSPMRNSPAHSLSPTLEHSSLFSGSYSSLPNPPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKTSPMRNSPAHSLSPTLEHSSLFSGSYSSLPNPPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEAPRLTYHMPPLTLFSPSELARAGFYTGQDGVACFCAGCGKLSNMEPRDDAMSEH 240
DB 181 MSTEAPRLTYHMPPLTLFSPSELARAGFYTGQDGVACFCAGCGKLSNMEPRDDAMSEH 240
QY 241 RRHPNCPLENSLETLEFSSISNLSMOTHAARMPTWMPSSVPOBOLASAGFYVGR 300
DB 241 RRHPNCPLENSLETLEFSSISNLSMOTHAARMPTWMPSSVPOBOLASAGFYVGR 300
QY 301 NDVVKFCGCGGGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIOGRYPHLEQL 360
DB 301 NDVVKFCGCGGGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIOGRYPHLEQL 360
QY 361 STSDTTEENADPPIIHFGPGSSSSSDAVMMNTPVYKSALEMGPNRDLVKQTYVOSKILTT 420
DB 361 STSDTTEENADPPIIHFGPGSSSSSDAVMMNTPVYKSALEMGPNRDLVKQTYVOSKILTT 420
QY 421 GENKTVNDIYSALNAEDKREBEKQAEEMASDDLIRKRNMALEQQLTVCVPLTD 480

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DB 421 GEMTVNDIVSALLNMEDEKREEEKQAEEMASDLSLRKRMALFQOLCVPLID 480
DB 481 NLKANVINKEHDIKOKTOIPIQARLDTIIVKGNAAANFKNCKEIDSTLYKNLF 540
DB 481 NLKANVINKEHDIKOKTOIPIQARLDTIIVKGNAAANFKNCKEIDSTLYKNLF 540
QY 541 VDKNMKIPTEDVSGLSLEOQLRLLOERTCKVCKMKEVSVFIPCGHLVVCOCAPSIR 600
DB 541 VDKNMKIPTEDVSGLSLEOQLRLLOERTCKVCKMKEVSVFIPCGHLVVCOCAPSIR 600
QY 601 KCPICRGIIKGTVRTFLS 618
DB 601 KCPICRGIIKGTVRTFLS 618

RESULT 5
US-08-800-929A-8
; Sequence 8, Application US/08800929A
; Patent No. 6133437
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF
; TITLE OF INVENTION: IAPS AND NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Clark & Elbing LLP
; STREET: 176 Federal Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,929A
; FILING DATE: 13-FEB-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/030,590
; FILING DATE: 14-NOV-1996
; APPLICATION NUMBER: 60/017,354
; FILING DATE: 26-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bieker-Brady, Kristina
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 07891/009001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-428-0200
; TELEFAX: 617-428-7045
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-800-929A-8

Query Match 99.1%; Score 3247; DB 4; Length 618;
Best Local Similarity 99.4%; Pred. No. 9.3e-306;
Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MHKTAORLPFGPSYONIKSIMEEDSTLSQMTNSNKKKXYPFSELYRMSTYTPAGY 60
DB 1 MHKTAORLPFGPSYONIKSIMEEDSTLSQMTNSNKKKXYPFSELYRMSTYTPAGY 60
QY 61 PVSESLARAGFYTYGVNDKVCFCGGLMDNNKLDSPITQKHOLYFSGCFIONLVSAS 120
DB 61 PVSESLARAGFYTYGVNDKVCFCGGLMDNNKLDSPITQKHOLYFSGCFIONLVSAS 120
QY 121 LGSTSKNTSPMRNSPAHSLSPTEHSSLFSGYSLSLPNPLNSRAVEDISSSRTPNPSYA 180
DB 121 LGSTSKNTSPMRNSPAHSLSPTEHSSLFSGYSLSLPNPLNSRAVEDISSSRTPNPSYA 180
QY 181 MSTEEARFLTYHMMPLTFPLSPSELARAGFYITGPDGRVACFCGCKLSNMPKDDAMSEH 240
DB 181 MSTEEARFLTYHMMPLTFPLSPSELARAGFYITGPDGRVACFCGCKLSNMPKDDAMSEH 240
QY 241 RRRHPNCPLENSLPTLRFSISNLQMTNHAARMRTFMPVPSVPYQPOLASAGFYVGR 300
DB 241 RRRHPNCPLENSLPTLRFSISNLQMTNHAARMRTFMPVPSVPYQPOLASAGFYVGR 300
QY 301 NDVYKFCDDGLRCWESGDDPWVEHAKMFPCEPLIRKGOEYVDEIQGNYPHLEQL 360
DB 301 NDVYKFCDDGLRCWESGDDPWVEHAKMFPCEPLIRKGOEYVDEIQGNYPHLEQL 360
QY 361 STSDTTEENADPPIIRFGPSESSSEDAVMMNTPVYSKALEGFRDLVKOTVOSKILTT 420
DB 361 STSDTTEENADPPIIRFGPSESSSEDAVMMNTPVYSKALEGFRDLVKOTVOSKILTT 420
QY 421 GENKTVNDIVSALLNMEDEKREEEKQAEEMASDLSLRKRMALFQOLCVPLID 480
DB 421 GENKTVNDIVSALLNMEDEKREEEKQAEEMASDLSLRKRMALFQOLCVPLID 480
QY 481 NLKANVINKEHDIKOKTOIPIQARLDTIIVKGNAAANFKNCKEIDSTLYKNLF 540
DB 481 NLKANVINKEHDIKOKTOIPIQARLDTIIVKGNAAANFKNCKEIDSTLYKNLF 540
QY 541 VDKNMKIPTEDVSGLSLEOQLRLLOERTCKVCKMKEVSVFIPCGHLVVCOCAPSIR 600
DB 541 VDKNMKIPTEDVSGLSLEOQLRLLOERTCKVCKMKEVSVFIPCGHLVVCOCAPSIR 600
QY 601 KCPICRGIIKGTVRTFLS 618
DB 601 KCPICRGIIKGTVRTFLS 618

RESULT 6
US-09-617-053A-8
; Sequence 8, Application US/09617053A
; Patent No. 6300492
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; FILE REFERENCE: 07891/009003
; CURRENT APPLICATION NUMBER: US/09/617,053A
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 08/800,929
; PRIOR FILING DATE: 1997-02-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 618
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-617-053A-8

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Query Match 99.18; Score 3247; DB 4; Length 618;

Best Local Similarity 99.44; Pred. No. 9,3e-306; Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MKHTASQRLFPQPSYONIKSIMEDSTILSDMTNSNKKKKYDFSCELYRMSTYSTPAGY 60
    |||||||
DB 1 MKHTASQRLFPQPSYONIKSIMEDSTILSDMTNSNKKKKYDFSCELYRMSTYSTPAGY 60
QY 61 PVSERSLARAGFYTGVDKVCPCGGLMDNMKLGDSPIOKHQLYPCSFIONLYVAS 120
    |||||||
DB 61 PVSERSLARAGFYTGVDKVCPCGGLMDNMKLGDSPIOKHQLYPCSFIONLYVAS 120
QY 121 LGSTSKNTSPMKNFSFASLSPTLEHSSLSFGSYSLSPAPLNSRAVEDISSRTNPSYA 180
    |||||||
DB 121 LGSTSKNTSPMKNFSFASLSPTLEHSSLSFGSYSLSPAPLNSRAVEDISSRTNPSYA 180
QY 181 MSTEARFLTYHMPFLTFLSPSELARAGFYIGPDVACFACGGLSNMPEKDDAMSEH 240
    |||||||
DB 181 MSTEARFLTYHMPFLTFLSPSELARAGFYIGPDVACFACGGLSNMPEKDDAMSEH 240
QY 241 RRRFPNCPFLNSLETFLNFSISNLSMOTHAARMRTFMYPPSSVPVQPOLASAGFYVGR 300
    |||||||
DB 241 RRRFPNCPFLNSLETFLNFSISNLSMOTHAARMRTFMYPPSSVPVQPOLASAGFYVGR 300
QY 301 NDDVRCFCDDGGLRCMESGDDPWEHAKMPPCEFLIRMKGOEFVDEIOGRYPHLLBOLL 360
    |||||||
DB 301 NDDVRCFCDDGGLRCMESGDDPWEHAKMPPCEFLIRMKGOEFVDEIOGRYPHLLBOLL 360
QY 361 STSDTGEENADPPIIHFGPESSEDAVMMNTPVVKSALEMGFNRDLVKTQVSKILTT 420
    |||||||
DB 361 STSDTGEENADPPIIHFGPESSEDAVMMNTPVVKSALEMGFNRDLVKTQVSKILTT 420
QY 421 GENYKTVNDIVSALLNADEKREERKQAEEMASDLSLIRKNMALFOQLTCVLD 480
    |||||||
DB 421 GENYKTVNDIVSALLNADEKREERKQAEEMASDLSLIRKNMALFOQLTCVLD 480
QY 481 NLKANVINKQEHDIKQTOIPLQARELIDTILVKNMAANIFPNCKEIDSTLYKNLF 540
    |||||||
DB 481 NLKANVINKQEHDIKQTOIPLQARELIDTILVKNMAANIFPNCKEIDSTLYKNLF 540
QY 541 VDNMKYIPTEDVSGLSLEBQRLQOEFTCKYCMKEVYVTCGGLVYVCOGCAAPLS 600
    |||||||
DB 541 VDNMKYIPTEDVSGLSLEBQRLQOEFTCKYCMKEVYVTCGGLVYVCOGCAAPLS 600
QY 601 KCPICRGIIKGTVRTFLS 618
    |||||||
DB 601 KCPICRGIIKGTVRTFLS 618

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RESULT 7

US-08-569-749-14

Sequence 14, Application US/08569749

Patent No. 6187557

GENERAL INFORMATION:

APPLICANT: Kothe, Mike

APPLICANT: Goedel, David V

TITLE OF INVENTION: INHIBITORS OF APOPTOSIS

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT

STREET: 4 Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/569,749

FILING DATE:

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Brezner, David J.

REGISTRATION NUMBER: 24,774

REFERENCE/DOCKET NUMBER: A-62464/DJB

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415)781-1989

TELEFAX: (415)398-3249

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 612 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-569-749-14

Query Match 83.28; Score 2728; DB 4; Length 612;

Best Local Similarity 83.4%; Pred. No. 1.8e-255; Matches 517; Conservative 45; Mismatches 48; Indels 10; Gaps 6;

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QY 1 MKHTASQRLFPQPSYONIKSIMEDSTILSDMTNSNKKKKYDFSCELYRMSTYSTPAGY 60
    |||||||
DB 1 MKHTASQRLFPQPSYONIKSIMEDSTILSDMTNSNKKKKYDFSCELYRMSTYSTPAGY 60
QY 61 PVSERSLARAGFYTGVDKVCPCGGLMDNMKLGDSPIOKHQLYPCSFIONLYVAS 120
    |||||||
DB 61 PVSERSLARAGFYTGVDKVCPCGGLMDNMKLGDSPIOKHQLYPCSFIONLYVAS 120
QY 121 LGSTSKNTSPMKNFSFASLSPTLEHSSLSFGSYSLSPAPLNSRAVEDISSRTNPSYA 180
    |||||||
DB 121 LGSTSKNTSPMKNFSFASLSPTLEHSSLSFGSYSLSPAPLNSRAVEDISSRTNPSYA 180
QY 181 MSTEARFLTYHMPFLTFLSPSELARAGFYIGPDVACFACGGLSNMPEKDDAMSEH 240
    |||||||
DB 181 MSTEARFLTYHMPFLTFLSPSELARAGFYIGPDVACFACGGLSNMPEKDDAMSEH 240
QY 241 RRRFPNCPFLNSLETFLNFSISNLSMOTHAARMRTFMYPPSSVPVQPOLASAGFYVGR 300
    |||||||
DB 241 RRRFPNCPFLNSLETFLNFSISNLSMOTHAARMRTFMYPPSSVPVQPOLASAGFYVGR 300
QY 301 NDDVRCFCDDGGLRCMESGDDPWEHAKMPPCEFLIRMKGOEFVDEIOGRYPHLLBOLL 360
    |||||||
DB 301 NDDVRCFCDDGGLRCMESGDDPWEHAKMPPCEFLIRMKGOEFVDEIOGRYPHLLBOLL 360
QY 421 GENYKTVNDIVSALLNADEKREERKQAEEMASDLSLIRKNMALFOQLTCVLD 480
    |||||||
DB 421 GENYKTVNDIVSALLNADEKREERKQAEEMASDLSLIRKNMALFOQLTCVLD 480
QY 481 NLKANVINKQEHDIKQTOIPLQARELIDTILVKNMAANIFPNCKEIDSTLYKNLF 540
    |||||||
DB 481 NLKANVINKQEHDIKQTOIPLQARELIDTILVKNMAANIFPNCKEIDSTLYKNLF 540
QY 541 VDNMKYIPTEDVSGLSLEBQRLQOEFTCKYCMKEVYVTCGGLVYVCOGCAAPLS 600
    |||||||
DB 541 VDNMKYIPTEDVSGLSLEBQRLQOEFTCKYCMKEVYVTCGGLVYVCOGCAAPLS 600
QY 601 KCPICRGIIKGTVRTFLS 618
    |||||||
DB 601 KCPICRGIIKGTVRTFLS 618

```

RESULT 8

PCT-US96-12860-14

Sequence 14, Application PC/US9612860

GENERAL INFORMATION:

APPLICANT: TOLARIK, INC.

;; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
;; NUMBER OF SEQUENCES: 14
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBERTSON & HERBERT
;; STREET: 4 Embarcadero Center, Suite 3400
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US96/12860
;; FILING DATE: 06 Aug 1996
;; CLASSIFICATION:
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: U.S. Serial Nos. 08/512,946 & 08/569,749
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Breznert, David J.
;; REGISTRATION NUMBER: 24,774
;; REFERENCE/DOCKET NUMBER: A-62464/DJB
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415)781-1989
;; TELEFAX: (415)398-3249
;; INFORMATION FOR SEQ ID NO: 14:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 612 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; PCT-US96-12860-14.

Query Match Best Local Similarity 83.2%; Score 2728; DB 5; Length 612;
Matches 517; Conservative 45; Mismatches 48; Indels 10; Gaps 6;

OY 1 MHKTSORLFPFGPSYONIKSIMEDSTILSDWTNSKOKMYDFSCELYRMSTYSTPAGV 60
DB 1 MOKTVSQRLOGLHOKLKRIMKSTILSNMTEKSEKMKFDFSCELYRMSTYSTPAGV 60
OY 61 PVSESLARAGFYTYGVNDKVCFCGGLMDNMKLGDSPIQKHOLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTYGVNDKVCFCGGLMDNMKLGDSPIQKHOLYPSCSFIQNLVSAS 120
OY 121 LGSTSKTSPMRNSPFAHSLSPLEHSLFSGYSLSLSPNLSRAVDEISSRTNPTSYA 180
DB 121 LGSPSKMSPVKSRFAHS-SP-LER---GGIHSNLCSSPLNSRAVDF-SSRMDCSYA 173
OY 181 MSTEERARLYTHMPLTFLSPSELARAGFYTYIGPDRVACFCGGLSNMPEKDDAMSEH 240
DB 174 MSTEERARLYTHMPLTFLSPSELARAGFYTYIGPDRVACFCGGLSNMPEKDDAMSEH 233
OY 241 RRRFPNCPLENSLETLRFSISNLSMOTHAARMFTMYPSSVVPQPOLASAGFYVGR 300
DB 234 RRRFPNCPLENSLETLRFSISNLSMOTHAARMFTMYPSSVVPQPOLASAGFYVGR 293
OY 301 NDVYKCCGCGGLRCMESGDDPWYEHAKMFPFCEFLIRMKQGEFVDEIQARPHLLEQL 360
DB 294 NDVYKCCGCGGLRCMESGDDPWYEHAKMFPFCEFLIRMKQGEFVDEIQARPHLLEQL 353
OY 361 STSDTGGENADP--PLIRFGPGESSSEDVAVMNTPVYKSALEMGFNRLVYQVOSKIL 418
DB 354 STSDPGEENADPLETYVHVGPGE--SSEDEVYVMSTPVYKSALEMGFSRSLVROVORIL 412
OY 419 TGCGEYKAVNDIYVALLNADEKREBEKQAEEMASDLSLIRKNMALFOQLCVLP 478
DB 413 AGCEYKRVVNDIYVALLNADEKREBEKQAEEMASDLSLIRKNMALFOQLCVLP 472

OY 479 LDNLKANVINKEHDIIRKOTQIPLOARELIDTILYKGNAAANIFKNCLEIDNSTLYKN 538
DB 473 IDNLEASVITKQEHDIIRKOTQIPLOARELIDVLYKGNAAANIFKNSLKEIDNSTLYKN 532
OY 539 LEVDKMKRYTPEDVSGLSLEQLARLOEBERTCKVCMDKESVVFIPCGHLVWQECAPS 598
DB 533 LEVEKMKRYTPEDVSGLSLEQLARLOEBERTCKVCMDREVSIIVIPCGHLVWQECAPS 592
OY 599 LRKPCIRGIIKGTVRTPLS 618
DB 593 LRKPCIRGIIKGTVRTPLS 612

RESULT 9
US-09-212-971-14
; Sequence 14, Application US/09212971B
; Patent No. 6107041
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: MacKenzie, Alexander E
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Palt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; FILE REFERENCE: 07891/009002
; CURRENT APPLICATION NUMBER: US/09/212,971B
; CURRENT FILING DATE: 1998-12-16
; EARLIER APPLICATION NUMBER: 60/017,354
; EARLIER FILING DATE: 1996-04-26
; EARLIER APPLICATION NUMBER: 60/030,590
; EARLIER FILING DATE: 1996-11-14
; EARLIER APPLICATION NUMBER: 08/800,929
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PASCSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 612
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-212-971-14

Query Match Best Local Similarity 83.1%; Score 2724; DB 3; Length 612;
Matches 516; Conservative 46; Mismatches 48; Indels 10; Gaps 6;

OY 1 MHKTSORLFPFGPSYONIKSIMEDSTILSDWTNSKOKMYDFSCELYRMSTYSTPAGV 60
DB 1 MOKTVSQRLOGLHOKLKRIMKSTILSNMTEKSEKMKFDFSCELYRMSTYSTPAGV 60
OY 61 PVSESLARAGFYTYGVNDKVCFCGGLMDNMKLGDSPIQKHOLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTYGVNDKVCFCGGLMDNMKLGDSPIQKHOLYPSCSFIQNLVSAS 120
OY 121 LGSTSKTSPMRNSPFAHSLSPLEHSLFSGYSLSLSPNLSRAVDEISSRTNPTSYA 180
DB 121 LGSPSKMSPVKSRFAHS-SP-LER---GGIHSNLCSSPLNSRAVDF-SSRMDCSYA 173
OY 181 MSTEERARLYTHMPLTFLSPSELARAGFYTYIGPDRVACFCGGLSNMPEKDDAMSEH 240
DB 174 MSTEERARLYTHMPLTFLSPSELARAGFYTYIGPDRVACFCGGLSNMPEKDDAMSEH 233
OY 241 RRRFPNCPLENSLETLRFSISNLSMOTHAARMFTMYPSSVVPQPOLASAGFYVGR 300
DB 234 RRRFPNCPLENSLETLRFSISNLSMOTHAARMFTMYPSSVVPQPOLASAGFYVGR 293
OY 301 NDVYKCCGCGGLRCMESGDDPWYEHAKMFPFCEFLIRMKQGEFVDEIQARPHLLEQL 360
DB 294 NDVYKCCGCGGLRCMESGDDPWYEHAKMFPFCEFLIRMKQGEFVDEIQARPHLLEQL 353

RESULT 10
US-08-800-929A-14
; Sequence 14, Application US/08800929A
; Patent No. 6133437
; GENERAL INFORMATION:

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US-08-800-922A-14
US-08-800-922A-14
Query Match      83.1%: Score 2724; DB 4: Length 612;
Best Local Similarity 83.2%: Pred. No. 4,3e-255;
Matches 516: Conservative 46; Mismatches 48; Indels 10; Gaps 6;

OY      1  MAKTKASQRLPFGPSYONIKRISIMFDSTITISLDTNSNKKKMMYDPSGCLTRMSTSTFPAGV 60
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      1  MDQYTSQRLGSGTTHQKLRKIMKSTJISNNTKSEKMFDSCLTRMSTSAFPAGV 60
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      61  PVSERSLRAGPFYTYGVNDKVKCFCCGGLMLDNMMLGDSPIQKHOLYPSCSFIGNLVAS 120
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      61  PVSERSLRAGPFYTYGVNDKVKCFCCGGLMLDNMKGDSPEKHKRQFYDSCSFVOTLLSAS 120
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      121  LQSTSNISPMKNSFHAHSLPTLEHSHLFCSSYSLSLPNLSRAVEDISSSRNPVSA 180
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      121  LQSPKSNMSPKSRFAHS -SP -LER ---CGHSNLCSPLNSRAVEDF -SSRDPCSYA 173
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      181  MSTRFARPLTYHMMPLCTFLSPSLAAGPYTIGDDVACFACGGKLSMWEPKDDAMSEH 240
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      174  MSTRFARPLTYHMMPLCTFLSPSLAAGPYTIGDDVACFACGGKLSMWEPKDDAMSEH 233
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      241  RRHFPCPPELENSLETLRFSISLMSQCHTAARNTFMNPSSTVPVDPGLASAGTYVGR 300
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      234  RRHFPCPPELENTSETGRFSTISLMSQCHTASALRFLTYMPSPVPVDPGLASAGTYVDR 293
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      301  NDQVRCFCDDGSLKCMWESGDDPVVEHAKWPRCEFLIRMGQEFYDEITOGRYPHLEBOLL 360
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      294  NDQVRCFCDDGSLKCMWEPGDDPWIEHAKWPRCEFLIRMGQEFYDEITQARYPHLEBOLL 353
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      361  STSDYTGEEENADP--PIIHFGPESSESDAVMMNTPVVKSLMGEINRDLVYQTVQSKIL 418
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      354  STSDYTGEEENADPTEHYVHREGP -SSKQVVMWGSTPVVKALTEMGSRSLYQTVQROIL 412
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      419  TTEENKRYNDIVSALLNABDEKEEKEKQAEKASDGLSLIRKRMALTPQULTCVLP1 478
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      413  ATENKRYNDIVSALLNABDEKEEKEKQAEKASDGLSLIRKRMALTPQULTCVLP1 472
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      479  LDNLKANYINKOEHDI1KOKTOIPLQARELIDTLLYKGNAAANIFKCKLEIDSTLYKN 538
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      473  LDNLKASVYTKOEHDI1RQKTOIPLQARELIDTLLYKGNAAANIFKCKLEIDSTLYEN 532
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      539  LFFDNMMKTYPTEDVSGLSLEBOLARLOBERTCYKCMDEKSVYFTPCGHLVYCOECAPS 598
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      533  LFFERNMKTYPTEDVSGLSLEEDLRRLQDEEPTCKYCMDEKSVYFTPCGHLVYCOECAPS 592
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      599  LRKPCIRGIIKGTVPFELS 618
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      593  LRKPCIRGIRGTVPFELS 612
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 11
US-09-617-053A-14
? Sequence 14, Application US/09617053A
? Patent No. 6300492
? GENERAL INFORMATION:
? APPLICANT: Korneiluk, Robert G
? APPLICANT: Mackenzie, Alexander E
? APPLICANT: Liston, Peter
? APPLICANT: Baird, Stephen
? APPLICANT: Pratt, Christine
? APPLICANT: Tsang, Benjamin K
? TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
? TITLE OF INVENTION: NAIR FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
? TITLE OF INVENTION: DISEASE
? FILE REFERENCE: 07891/009003
? CURRENT APPLICATION NUMBER: US/09/617,053A
? PRIOR FILING DATE: 2000-07-14
? PRIOR FILING DATE: 1997-02-13
? NUMBER OF SEQ IDS NOS: 17
? SOFTWARE: SeqSeq for Windows Version 4.0

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; SEQ ID NO 14
 ; LENGTH: 612
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-617-053A-14

Query Match 83.1%; Score 2724; DB 4; Length 612;
 Best Local Similarity 83.2%; Pred. No. 4,3e-255;
 Matches 516; Conservative 46; Mismatches 48; Indels 10; Gaps 6;

QY 1 MHKTSOFLPPGSPYONKISIMEDSTLSMDTNSNKKKRDSCGLYRMSTSTPAGY 60
 DB 1 MKYTSORLGGOTLHOKLRIKRIKSTLLENMTKESEKMKRDSCELYRSTISAPRKY 60
 QY 61 PVSESLARAGFYTYGVNDYKVCFCGGLMDNMKLGDSPIOKHOLYPCSCFTQNLVNS 120
 DB 61 PVSESLARAGFYTYGVNDYKVCFCGGLMDNMKLGDSPIOKHOLYPCSCFTQNLVNS 120
 QY 121 LGSTSKNTSPMRNSFAHSLPTLEHSSLSFGSYSLSPNPLNSRAVEDISSRFTNPYSA 180
 DB 121 LGSPSKNNSPVKSRFAHS-SP-LEH- -CGIHSNLCSSPLNSRAVEDF-SSRMDPCSYA 173
 QY 181 MSTEERARLTTHMPLTFELSPSLARAGFYTGPDGRVACGAGKLSNMEPKDAMSRH 240
 DB 174 MSTEERARLTSMPLSFLSPALARAGFYTGPDGRVACGAGKLSNMEPKDAMSRH 233
 QY 241 RHFRPCPLFENSLLETFRSTLSLQTHAAMKRTFMTWPSVYVOPBOLASAGFYVGR 300
 DB 234 RHFRPCPLFENSLLETFRSTLSLQTHAAMKRTFMTWPSVYVOPBOLASAGFYVGR 293
 QY 301 NDVAKFCDCDGLRCWESGDDPVWEHAKWPRCEFLIRMKGOEFVDEIOGRYPHLEBOL 360
 DB 294 NDVAKFCDCDGLRCWESGDDPVWEHAKWPRCEFLIRMKGOEFVDEIOGRYPHLEBOL 353
 QY 361 STSDTTEGENADP-PIIHFGPCESSSEDVAVMMNTPVVKSALKEGFRDLYKOTVOSKIL 418
 DB 354 STSDTPGRENADPTEYVHVGCPCE-SSKQVVMNSPPVKAALKEGSRSLYVQVQROTL 412
 QY 419 TGEENVKTYNDIVSALLNADEKREERKOEEMASDLSLRKRNMLFOOLTCVPI 478
 DB 413 ATGENYRTVNDIVSVLLNADEKREERKOEEMASDLSLRKRNMLFOOLTCVPI 472
 QY 479 LNNLLKANVYKQKHDIKQKTOIPLQARELIDTILYKGNAAANIFKNCLEIDSTLYKN 538
 DB 473 LNNLLKASVYKQKHDIKQKTOIPLQARELIDTILYKGNAAANIFKNCLEIDSTLYKN 532
 QY 539 LFDVKNMKYIPTEDVSGLSLEBOLRLIOBERTCKVCMDEKESVVFIPCGHLVVOCECAPS 598
 DB 533 LFDVKNMKYIPTEDVSGLSLEBOLRLIOBERTCKVCMDEKESVVFIPCGHLVVOCECAPS 592
 QY 599 LKRCPIRGILKGTVRTFLS 618
 DB 593 LKRCPIRGILKGTVRTFLS 612

RESULT 12
 US-08-569-749-4
 ; Sequence 4, Application US/08569749
 ; Patent No. 6187557
 ; GENERAL INFORMATION:
 ; APPLICANT: Rohne, Mike
 ; APPLICANT: Goeddel, David V
 ; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: FLEHR, HOERBACH, TEST, ALBRITTON & HERBERT
 ; STREET: 4 Embarcadero Center, Suite 3400
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94111
 ; COMPUTER READABLE FORM:

; MEDIUM TYPE: floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/569,749
 ; FILING DATE:
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Breznert, David J.
 ; REGISTRATION NUMBER: 24,774
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415)781-1989
 ; TELEFAX: (415)398-3249
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 604 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-569-749-4

Query Match 71.8%; Score 2353; DB 4; Length 604;
 Best Local Similarity 72.8%; Pred. No. 3.7e-219;
 Matches 440; Conservative 71; Mismatches 87; Indels 6; Gaps 5;

QY 20 SIADSTLISDTWNS-NKOKKRYDFSCELYRMSTYSTPAGYPVSESLARAGFYTYGVN 78
 DB 2 NIVENSTFLSNLMKSAANTFELKYDLSCELYRMSTYSTPAGYPVSESLARAGFYTYGVN 61
 QY 79 DKVKKCCCGGLMDNMKLGDSPIOKHOLYPCSCFTQNLVSA-SIGSKNTSP--NRNSF 135
 DB 62 DKVKKCCCGGLMDNMKLGDSPIOKHOLYPCSCFTQNLVSA-SIGSKNTSP--NRNSF 120
 QY 136 AHSLSSTLSHSLFSGYSLSLSPNPLNSRAVEDISSRKNRYSAMSTEERARLTTHMPL 195
 DB 121 THSLRGTSNGSYFGSTSNPSNPVNSRANQDFSAKMRSTHCAAMNENARLITQWPR 180
 QY 196 LFTLSSESLARAGFYTGPDGRVACGAGKLSNMEPKDAMSEHRHFPNCPLENSL- 254
 DB 181 LFTLSPTDLAKAGFYTGPDGRVACGAGKLSNMEPKDAMSEHRHFPNCPLENSL- 240
 QY 255 ETLRFSISNLSMOTHAARMRTFMTWPSVYVOPBOLASAGFYVGRDVKFCDCDGLR 314
 DB 241 DTSRYVSNLSMOTHAARMRTFMTWPSVYVOPBOLASAGFYVGRDVKFCDCDGLR 300
 QY 315 CWESGDDPVWEHAKWPRCEFLIRMKGOEFVDEIOGRYPHLEBOLSTSDTTEGENADP 374
 DB 301 CWESGDDPVWEHAKWPRCEFLIRMKGOEFVDEIOGRYPHLEBOLSTSDTTEGENADP 360
 QY 375 ITHFGCESSSDAVMMNTPVVKSALKEGFRDLYKOTVOSKILTTGENKTYNDIVSL 434
 DB 361 ITHFGEDSHDAIMMTPTVINAAMKGSRLYKQVOKRIATGENRRLNLDVLC 420
 QY 435 LNADEKREERKOEEMASDLSLRKRNMLFOOLTCVPLIDMLLANVYKQKH 494
 DB 421 LNADEKREERKOEEMASDLSLRKRNMLFOOLTCVPLIDMLLANVYKQKH 480
 QY 495 IIRKQTOIPLQARELIDTILYKGNAAANIFKNCLEIDSTLYKNLFDKMKKIPTEDVS 554
 DB 481 VIKOKTOIPLQARELIDTILYKGNAAANIFKNCLEIDSTLYKNLFDKMKKIPTEDVS 540
 QY 555 GLSLEBOLRLIOBERTCKVCMDEKESVVFIPCGHLVVOCECAPSLKRCPIRGILKGTVR 614
 DB 541 DLVPEBOLRLIOBERTCKVCMDEKESVVFIPCGHLVVOCECAPSLKRCPIRGILKGTVR 600
 QY 615 TFLS 618
 DB 601 TFLS 604

QY	79	DKKCCCGGLMDMMKJGSDIOKHOLJYPCSGTIOULVFA-SIGSTAKNTSPMRNSA-	136
Db	62	DKKCCCGGLMDMMKRGDSDFPKHKKLJLPSGCRVQGLSVNNLNETSDPPFSVSYHNS	121
QY	137	HSLSPLEHSSLSFGSGYSLSLSPRLMSRAVEDISSSTNPYSTAASTEBARLTYHMP	196
Db	122	HSLSPLEHSSLSFGSGYSLSLSPRLMSRAVEDISSSTNPYSTAASTEBARLTYHMP	181
QY	197	TFLSPSELARAGFYIYIGPDRAVACFACGGLSMNEPKDAMSEHRHFPNCPFLENS	255
Db	182	TFLSPSELARAGFYIYIGPDRAVACFACGGLSMNEPKDAMSEHRHFPNCPFLENS	241
QY	256	TFLSPSELARAGFYIYIGPDRAVACFACGGLSMNEPKDAMSEHRHFPNCPFLENS	315
Db	242	TFLSPSELARAGFYIYIGPDRAVACFACGGLSMNEPKDAMSEHRHFPNCPFLENS	301
QY	316	WESGDDPPVYHAKKPPRCFELIRMKCOEFVDELIGRPHILBOLSTDPTEGEMADPP	375
Db	302	WESGDDPPVYHAKKPPRCFELIRMKCOEFVDELIGRPHILBOLSTDPTEGEMADPP	361
QY	376	IRFGCESSSEDVAMNTPVYKSGALBKGPNOLVKQTVOSKITLTGENYKTVNDYVAL	435
Db	362	IRFGCESSSEDVAMNTPVYKSGALBKGPNOLVKQTVOSKITLTGENYKTVNDYVAL	421
QY	436	MADEKREBEKOEKAEEMASDDLSLIRKNRMLFOOLTCTVPLDNLKAVINKOEHD	495
Db	422	MADEKREBEKOEKAEEMASDDLSLIRKNRMLFOOLTCTVPLDNLKAVINKOEHD	481
QY	496	IKOKTOPILOARELIDTILVKGMAANFKFKLKEIDSTYKKNLVPDNNMYIPTDEVS	555
Db	482	IKOKTOPILOARELIDTILVKGMAANFKFKLKEIDSTYKKNLVPDNNMYIPTDEVS	541
QY	556	LSLEBOLRLDEBCTKVCMDKESVYVIRPGCHLYVOCBASLKRQICGILKQVPT	615
Db	542	LSLEBOLRLDEBCTKVCMDKESVYVIRPGCHLYVOCBASLKRQICGILKQVPT	601
QY	616	FLS 618	
Db	602	FLS 604	
RESULT	15		
US-09-212-971-6			
: Sequence 6, Application US/09212971B			
: Patent No. 6107041			
: GENERAL INFORMATION:			
: APPLICANT: Korneluk, Robert G			
: APPLICANT: Mackenzie, Alexander E			
: APPLICANT: Liston, Peter			
: APPLICANT: Baird, Stephen			
: APPLICANT: Tsang, Benjamin K			
: TITLE OF INVENTION: DETECTION AND MODULATION OF TAPS AND			
: TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE			
: TITLE OF INVENTION: DISEASE			
: FILE REFERENCE: 07891/009002			
: CURRENT APPLICATION NUMBER: US/09/212,971B			
: EARLIER FILING DATE: 1998-12-15			
: EARLIER APPLICATION NUMBER: 60/017,354			
: EARLIER FILING DATE: 1996-04-26			
: EARLIER APPLICATION NUMBER: 60/030,590			
: EARLIER FILING DATE: 1996-11-14			
: EARLIER APPLICATION NUMBER: 08/800,929			
: EARLIER FILING DATE: 1997-02-13			
: NUMBER OF SEQ ID NOS: 17			
: SOFTWARE: FastSeq for Windows Version 4.0			
: SEQ ID NO 6			
: LENGTH: 604			
: TYPE: prt			
ORGANISM: Homo sapiens			
US-09-212-971-6			

[illegible]

Search completed: January 7, 2002, 15:41:57
Job time: 276 sec

' Tue Jan 8 08:23:29 2002

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